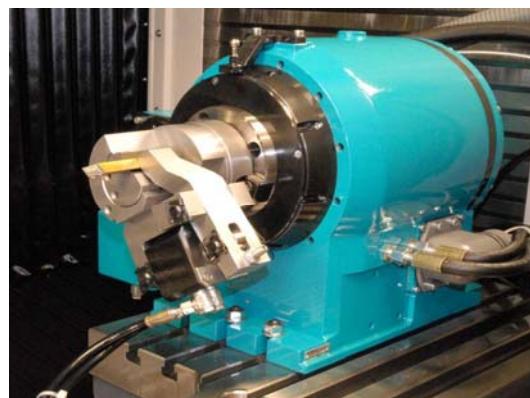


## Gear Blade Oerlikon BxH 10.16 x 12.7

A12-350

The profiled Gear Blades are ground with DXF based Profileoperation being clamped horizontally in a specially designed automatic clamping device. The 1A1-wheel is used on both sides to grind either the pressure side of the blade or the clearance side of the blade and the cutting face. When inverting the operation on one of the sides, the complete profile can be preground with one side of the profile, preserving the opposite corner for finishing.



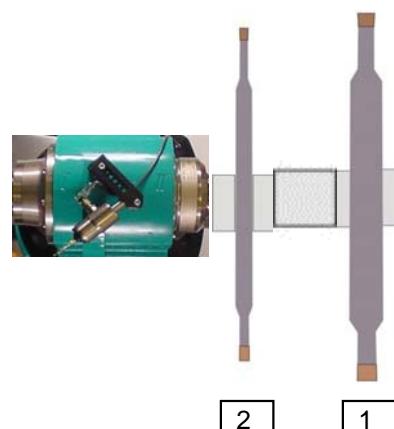
### 1. Cycletime for Resharpening

Workpiece:	RH inner blade Spir; 10.16 x 12.7 x 115 mm Material CARBIDE					
Operations	Probe	PrsSideRough	CirSideRough	Prs.Side fin.	Clr.Side fin.	TopRakeRough
Feed [mm/Min]	2000	40	40	70	70	40
Power [kW]		4	3	2	2	2
Cutting feed [m/s]		20	20	22	22	22
Used wheels		1	1	2	2	2
Grinding time [s]	18	109	109	29	29	45
Total cycle time	6 Min 11					

The cycle times are indicative. Material to be ground, grinding wheels, coolants can influence the cycle times considerably.

### 2. Used Grinding Wheels

1	1A1 Ø250 D64
2	14A1 Ø250 D64



### 3. Machine and Software Requirements

Machines: 5 axes CNC grinders : NORMA CFG

Coolant: Synthetic Oil, pressure 6 bar

Control: Fanuc 31i

Software: Quinto 5

Accessories:

Responsible engineer: OP. 18.11.09

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